

The diagram illustrates a color image processing system, divided into two main functional areas: the IMAGE SCANNER UNIT 201 and the PRINTER UNIT 202, separated by a dashed line.

**Image Scanner Unit 201:**

- Three CCD sensors (210R, 210G, 210B) receive input from CLK and HSYNC lines.
- Each CCD sensor feeds into a corresponding DELAY block (401R, 401G, 401B).
- The output of each delay block passes through a log block (403, 404, 405).
- The outputs of the log blocks are fed into a MASKING UCR CIRCUIT (406).
- The output of the masking circuit is fed into a SPATIAL FILTER (407).

**Printer Unit 202:**

- The output of the spatial filter is fed into a DENSITY CONVERSION CIRCUIT (408).
- The output of the density conversion circuit is fed into a MACHINE NUMBER ADDITION CIRCUIT (410).

**Control and Processing Units:**

- Two CPUs (450, 460) are shown, each with its own RAM (452, 462).
- Both CPUs are connected to a common bus system.
- The bus system connects to ROM blocks (451, 461) containing control programs: IMAGE SIGNAL PROCESSING CONTROL PROGRAM, SCANNER CONTROL PROGRAM, IMAGE SIGNAL PROCESSING CONTROL PROGRAM, and PRINTER CONTROL PROGRAM.
- The bus system also connects to the MASKING UCR CIRCUIT (406) and the DENSITY CONVERSION CIRCUIT (408).

FIG. 2

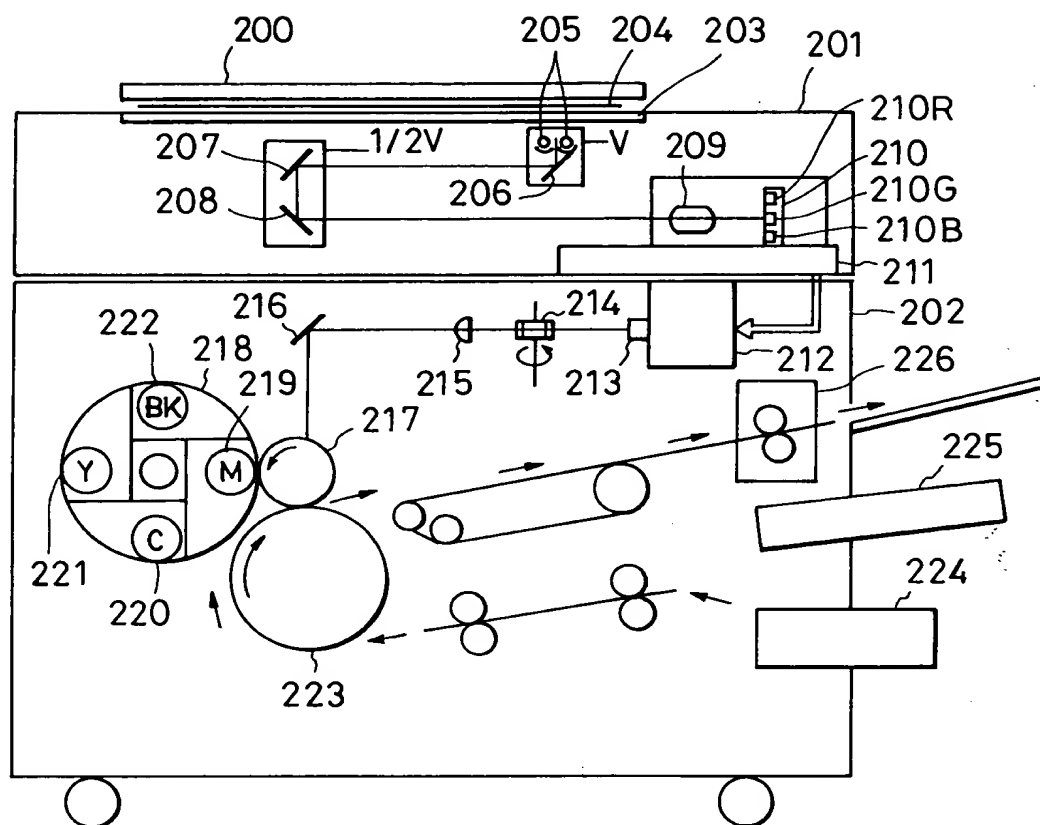
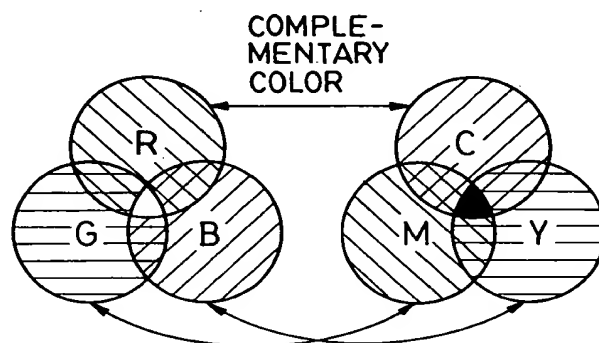
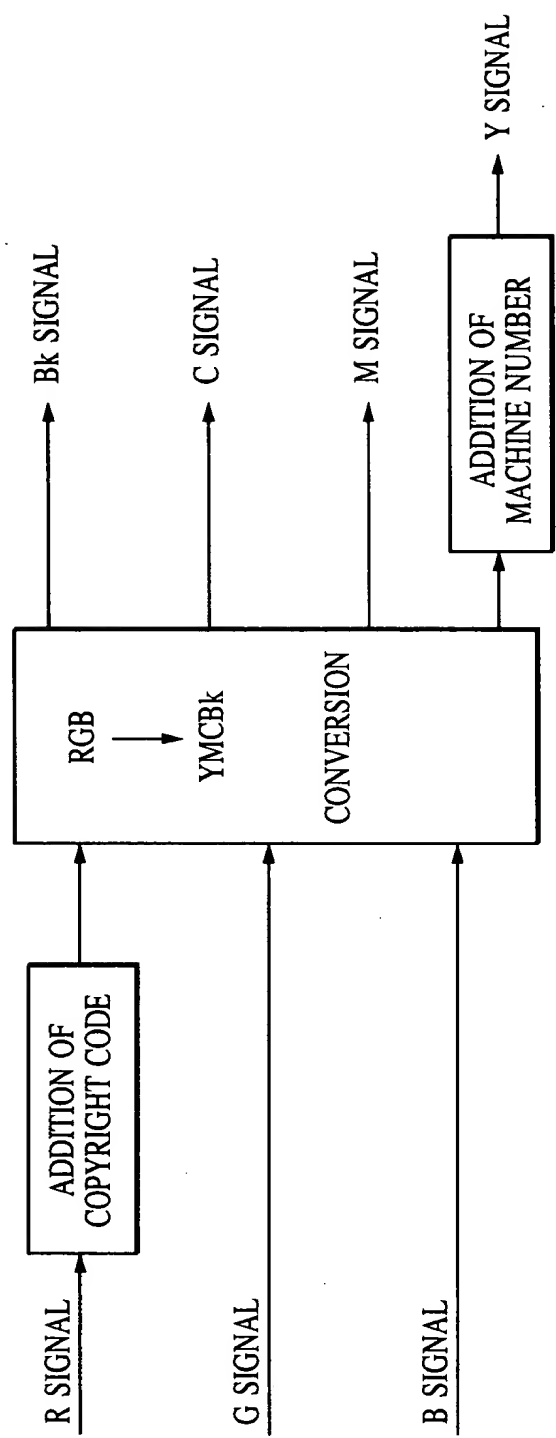


FIG. 3



66670-2766200

FIG. 4



561

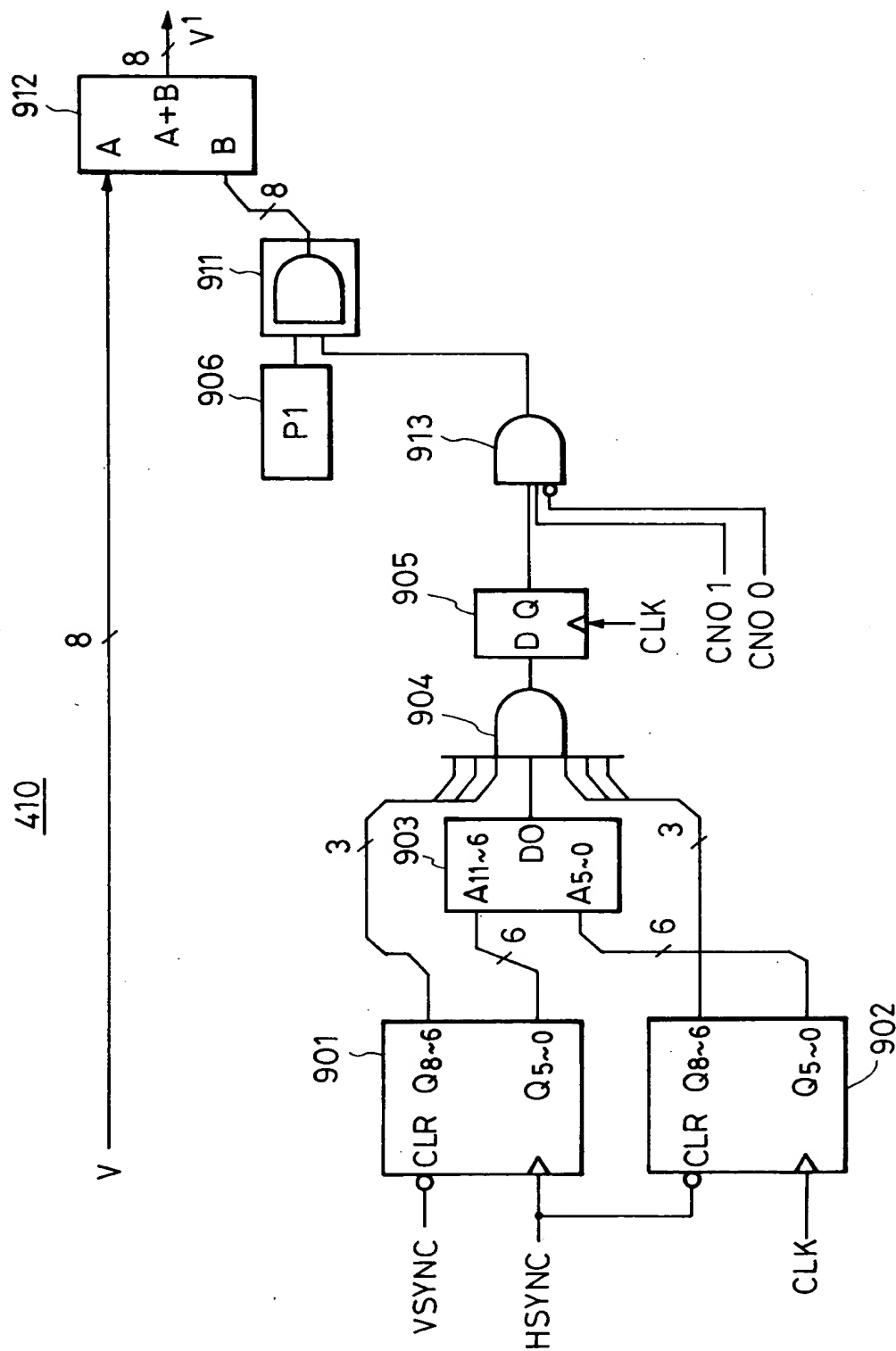
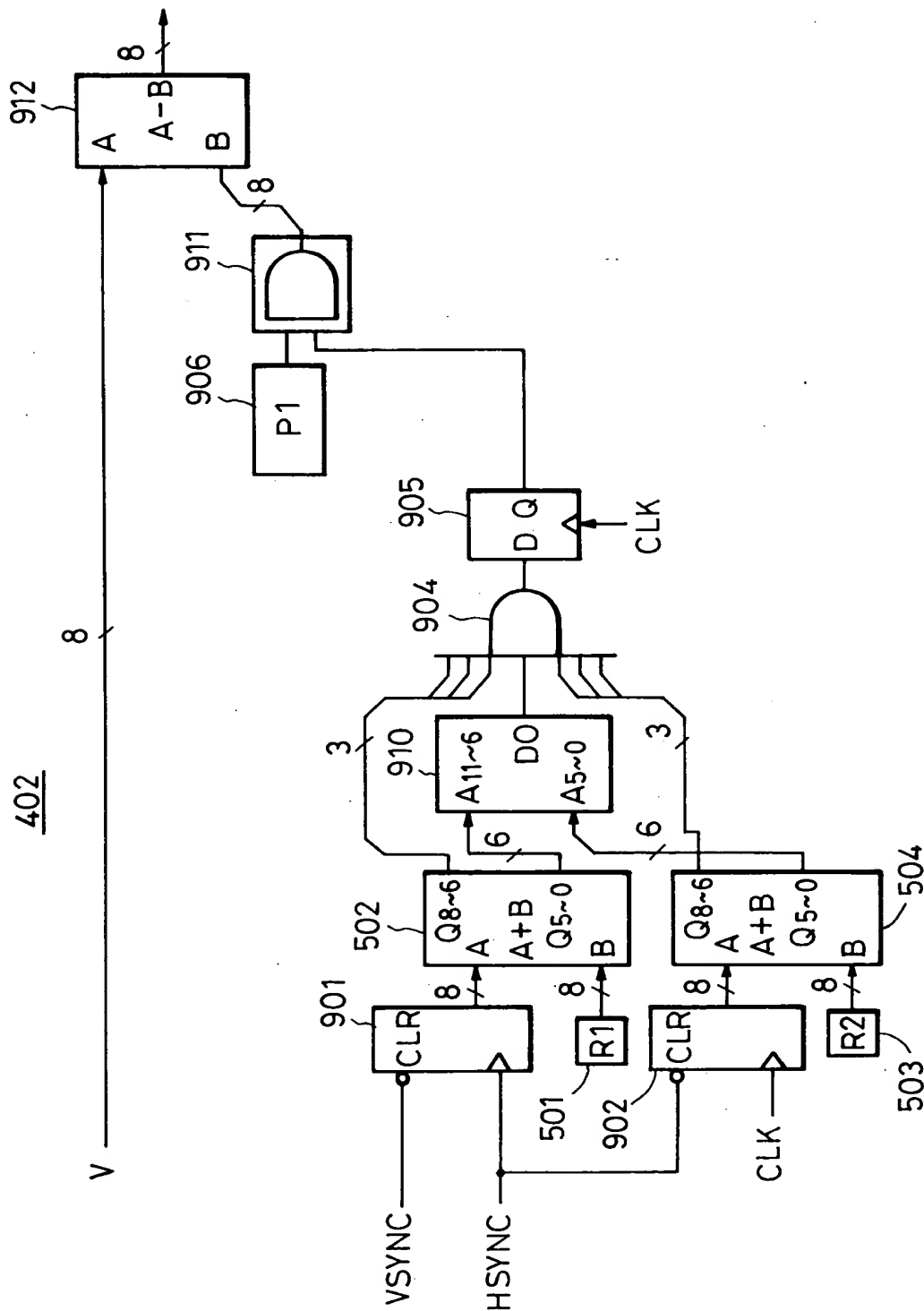


FIG. 6



CONFIDENTIAL

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
RAFTSMAN		

FIG. 7

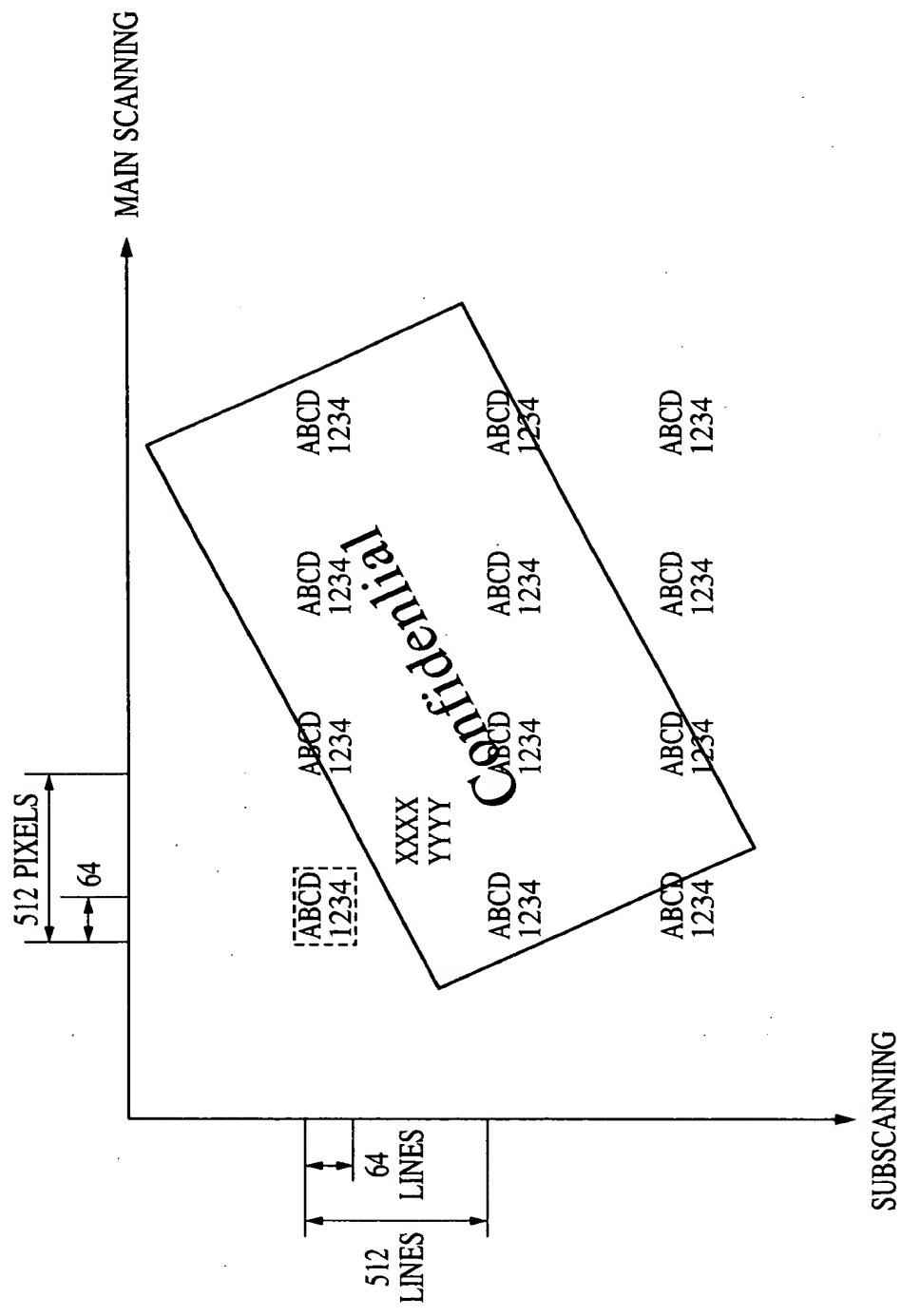
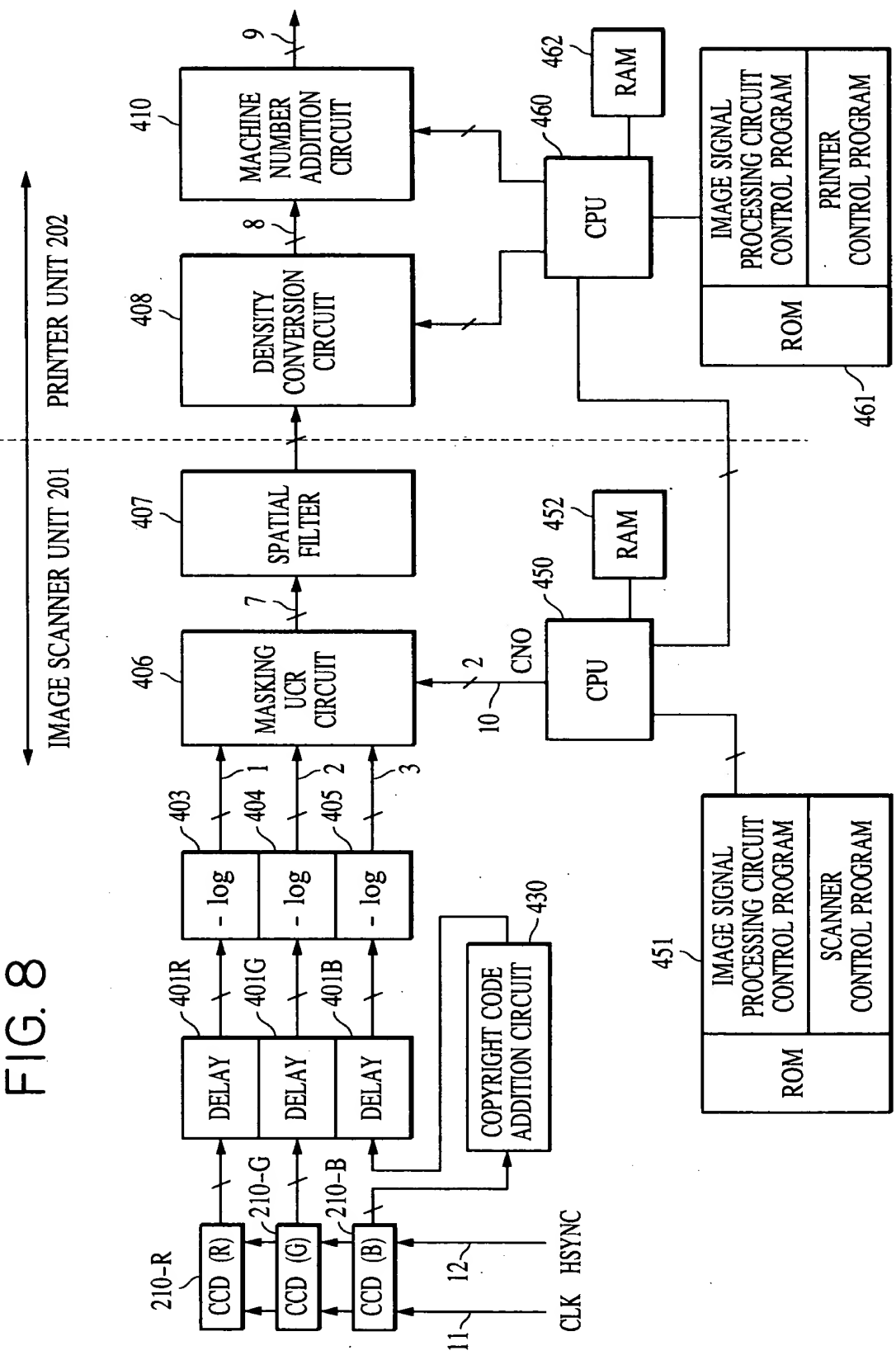


FIG. 8



66670-CT066260

APPROVED	O.G. FIG.	
BY	GLASS	BOUCLAGS
CRAFTSMAN		

FIG. 9

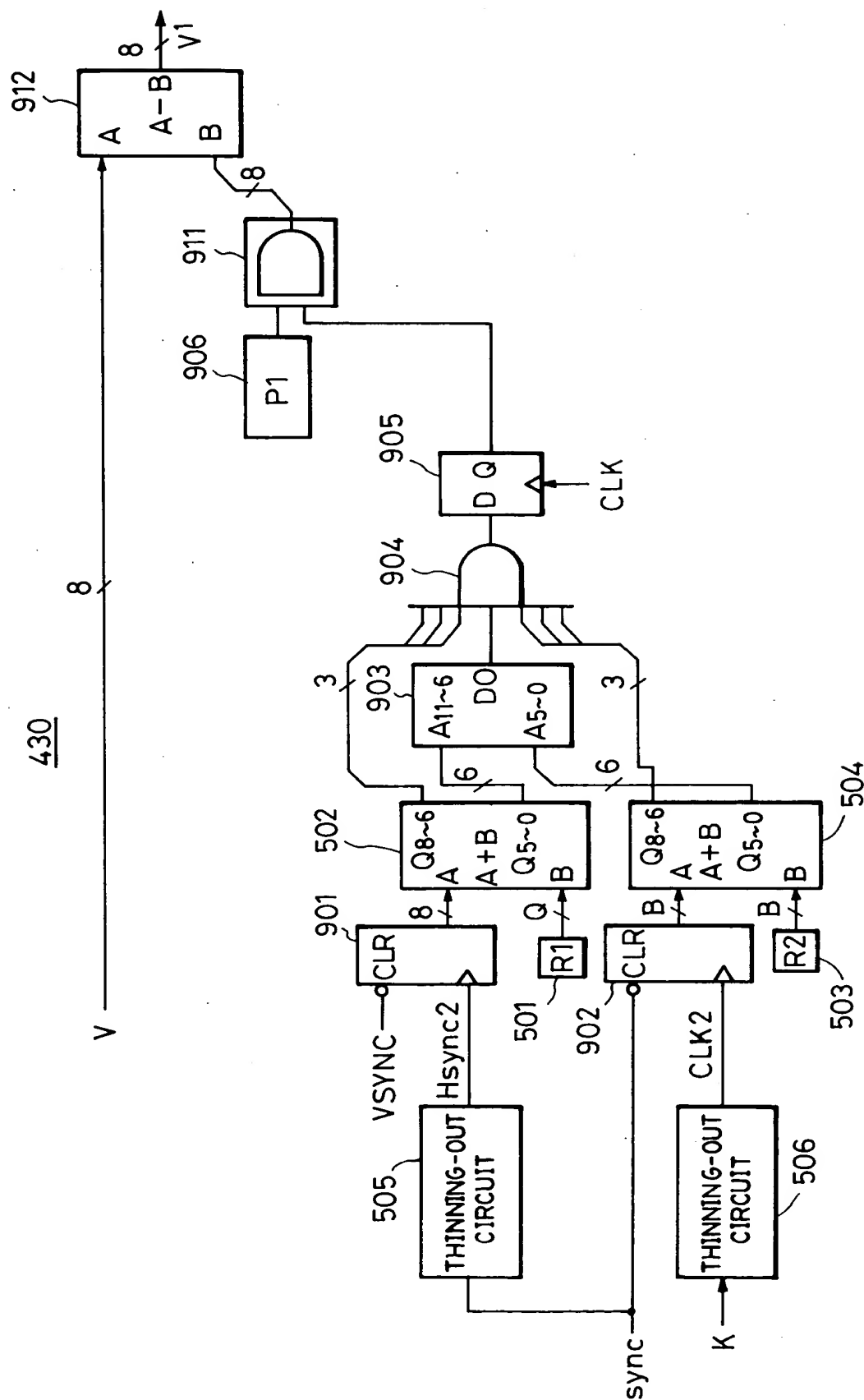




FIG. 10

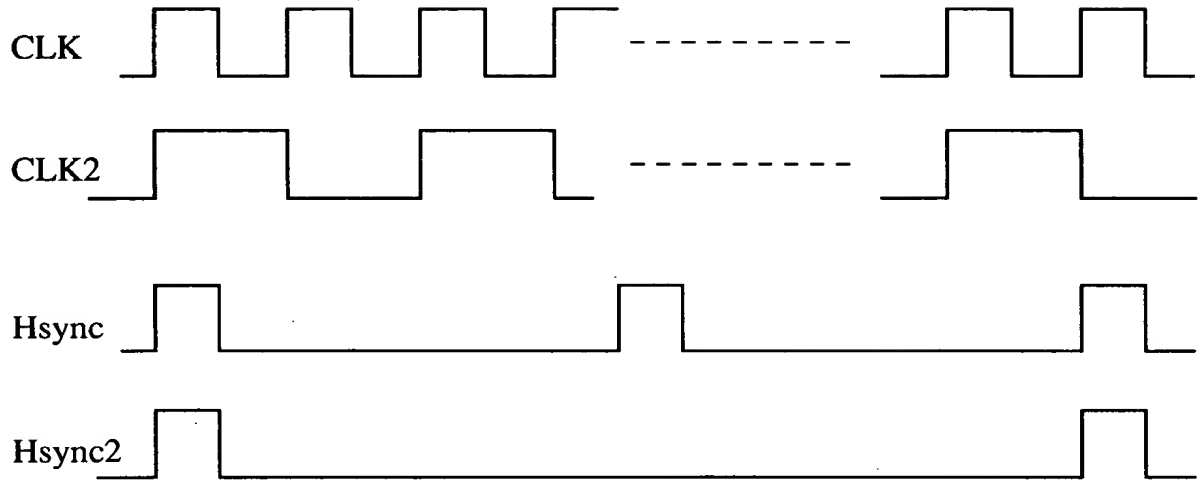


FIG. 11

1001  
 A B C D  
 1 2 3 4  
 XXXX  
 YYYY

1002

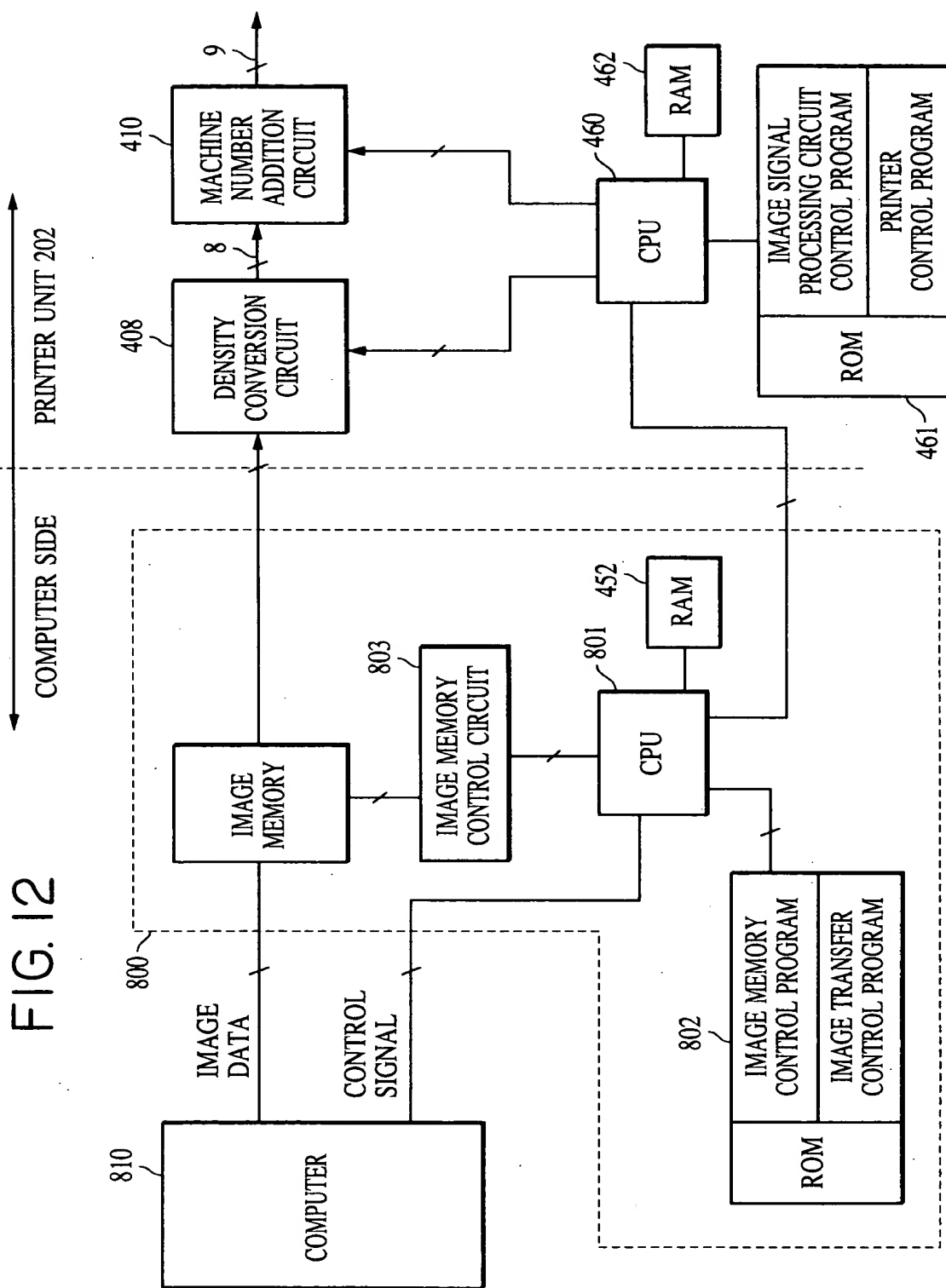


FIG. 13

